

ZHUKOV, F.F.; Inzh.

Moscow - Sewerage; Water-Supply Engineering

Experience of the Moscow water supply and sewer construction trust in laying water supply and sewer lines by the mass production method. *Biul. stroi. tekhn.* 9 no. 6, 1952  
Mosvodokanalstroy

Monthly List of Russian Accessions, Library of Congress, August 1952. Unclassified

ZHUKOV, F. F., ENG.

Sewers, Concrete

Installation of Sectional, reinforced concrete inner lining in a sewage collecting main. *Biul.stroiltekh.*, 9 no. 13, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. UNCLASSIFIED.

ZHUKOV, F.F., inzhener.

Pipe laying without open trenches. *Biul.stroi.tekh.* 10 no.10:1-6 My '53.  
(MLRA 6:8)

1. Trest No.6 Mospedzenstroya.

(Pipelines)

VASHENTSEVA, V.M.; VOLKOV, M.I.; ZHAMIN, V.A.; ZHUKOV, F.G.; CHUBUK, I.F.;  
KAPUSTIN, Ye.I.; KOZLOVA, N.G.; KOROCHKIN, V.V.; KUL'KOV, A.V.;  
MARINKO, I.L.; MOLCHALOV, B.M.; ROMANOV, B.V.; FEDOROV, V.I.;  
SHIRINSKIY, I.D.; GRINGAUZ, A., red.; SHLYK, M., tekhn. red.

[How to study the economics of socialism] Kak izuchat' politicheskuu ekonomiiu sotsializma; posobie dlia rukovoditelei seminarov sistemy partiinogo prosveshcheniia. Moskva, Mosk. rabochii, 1961. 239 p. (MIRA 14:8)

1. Dom politicheskogo prosveshcheniya, Moscow, (Economics—Study and teaching)

ZHUKOV, F.I.

Possible variant of the division of variegated formations in  
the Rakhov Massif. Geol. zhur. 25 no.3:98-102 '65.  
(MIRA 18:11)

VEYTSMAN, N.R., prof.; VENETSKIY, I.G., dots.; ZHUKOV, F.N., dots.;  
MUKHIN, A.F., dots.; YEPIFANOV, M.P., red.; YERKHOVA, Ye.A.,  
tekhn. red.

[Principles of studying balance sheets and statistics] Osnovy  
balansovedeniia i statistiki; uchebnoe posobie. Pod red.  
N.R.Veitsmana. Moskva, Izd-vo IMO, 1962. 261 p.

(MIRA 15:12)

(Accounting)

(Statistics)

ZHUKOV, F. N.

3

L 54720-65

ACCESSION NR: AP5017987

UR/0286/64/000/022/0097/0097

AUTHOR: Berkman, I. L.; Katjukhin, B. P.; Rannev, A. V.; Rustanovich, A. V.;  
Smirnov, O. A.; Grushetakiy, Yu. L.; Zhukov, F. N.; Ovechkin, M. M.

108

TITLE: Accumulator-pump hydraulic drive. Class 84, No. 166609

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 22, 1964, 97

TOPIC TAGS: hydraulic equipment, pump, excavating machinery, civil engineering

Translation: This inventor's certificate introduces an accumulator-pump hydraulic drive for the rotating platform of an excavator with power recovery during braking. The device includes an actuating cylinder and an auxiliary storage cylinder, power pump, hydraulic motor, valve distributor, recovery and filling check valves. In order to assure the necessary pressure in the storage cylinder, to reduce the time for charging the force pump and to simplify the construction, the device includes a packing valve which keeps up the level in the hydraulic motor and controlled safety valves, one of which charges the force pump and the other a blocking valve for all positions of the distributor valve except the neutral position, thus limiting the pressure in the actuating cylinder during braking.

Card 1/2

L 54720-65

ACCESSION NR: AP5017987

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut stroitel'nogo i  
dorozhnogo mashinostroyeniya (All-Union Scientific Research Institute of Con-  
struction and Road Building Machinery)

SUBMITTED: 18Nov63

ENCL: 00

SUB CODE: IE, GO

NO REF SOV: 000

OTHER: 000

JPRS

Card 2/2



COUNTRY : USSR M  
 CATEGORY : Cultivated Plants. Cereals.  
 ABS. JOUR. : RZhBiol., No. 14, 1958, No. 63351  
 AUTHOR : Reutskiy, F. V., Zhukov, F.S.  
 INST. :  
 TITLE : Cultivation of Corn in Kamenskaya Oblast'.  
 ORIG. PUB. : V sb.: Kukuruza v 1955 g. Vyp. 6. M., Sel'khozgiz, 1956, 117-129  
 ABSTRACT : In Kamenskaya oblast', corn is planted chiefly after winter cereals. Maximum yield was obtained with the application of a complete mineral fertilization. Fertilization with manure in the amount of 20 t/ha increased the yield by 19%. It is recommended to apply manure into the fallow under winter wheat and the mineral fertilizers directly under corn. Treatment of seeds with phosphorobacterin is of great importance in increasing the yield of corn. A high yield of kernels on the ears was obtained with checkrow planting on an area of 70 x 70 with 2 plants to a hill.

Card: 1/2

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COUNTRY	:	USSR	
CATEGORY	:	Cultivated Plants. Cereals.	M
ADDITIONAL	:	VZhBiol., No.14, 1953, No. 63351	
AUTHOR	:		
INST.	:		
TITLE	:		
ORIG. PUB.	:		
ABSTRACT	:	In the northern zone, hybrids of the variety Severodakot- skaya, Voronezhskaya 76 and hybrid Voronezhskaya have been adapted regionally. In the central, southern and south- western zones - hybrid Donskoy, hybrid VIR 42, Grusnevszkaya mestnaya and others. --- O. A. Gorbunova	

Card: 2/2

VLASOV, Mikhail Vasil'yevich; BAL'ZAMOV, Dmitriy Parmenovich; ZHUKOV, Fedor Trofimovich; SEMENOV, S.M., red.; ANDREYEVA, L.S., tekhn. red.

[Auditing committee of a factory and plant local committee] Re-  
vizionnaia komissia FZMK. Moskva, Profizdat, 1962. 63 p.  
(Bibliotekha profsoiuznogo aktivista, no.5(29)) (MIRA 15:5)

(Trade unions)

(Auditing)

ZHUKOV, G., kand.yuridicheskikh nauk

For the purity of space. Av. 1 koem. 48 no.11:39-42 N '65.

(MIRA 18:10)

1. Uchenyy sekretar' Komissii po pravovym voprosam mezplanetnogo  
prostranstva AN SSSR.

ZHUKOV, G.

Give help and support to the pioneers of the future. Prom.koop.  
14 no.8:3-4 Ag '60. (MIRA 13:8)

1. Nachal'nik otdela orgmassovoy raboty i kadrov oblpromsoвета,  
g.Kirov.

(Kirov Province--Socialist competition)

ZHUKOV, G.

"Speech at the 20th Congress of the Communist Party of the Soviet Union,"  
a chapter from the book Problems in the Utilization of Atomic Energy, the  
Second revised edition of a collection of articles, published in 1956,  
Moscow, USSR

ZHUKOV, G.

Efficiency, Industrial

Decreasing persistently the consumption standards of raw materials, goods, fuel and electric energy. Za ekon. mat. no. 2, 1952.

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

ZHUKOV, G.

Gas-heated furnace of the VTI-15 grain dryer. Muk.-elev. prom.  
29 no.4:21-22 Ap '63. (MIRA 16:7)

1. Glavnyy inzh. Poltavskoy mel'nitsy No.27.  
(Poltava—Grain—Drying)



ZHUKOV, G.; OBODIN, P., rupchatnik

The factory should check the quality of the manufactured machinery.  
Mik.-elev.prom. 28 no.3:27-28 Mr '62. (MIRA 15:4)

1. Dnepropetrovskiy mel'kombinat No.27. 2. Glavnyy inzhener  
Dnepropetrovskogo mel'kombinata No.27 (for Obodin).  
(Agricultural machinery industry)

DECEASED

GAVRILOV, Ye.N., inzh.; GONIK, A.A., kand. tekhn. nauk; DONSKOY, I.P., kand. tekhn. nauk; ~~ZHUKOV, G.A.~~, inzh. [deceased]; LAZAREV, M.P., inzh.; NEFEDOV, S.I., inzh.; PETROV, Ya.P., kand. tekhn. nauk; SAVEL'YEV, V.V., kand. tekhn. nauk; FILIMONOV, S.S., inzh.; SHUL'TS, G.F., kand. tekhn. nauk; ZOTOV, N.V., inzh., retsenzent; ORLOV, N.N., inzh., otv. red.; KOZLOV, A.D., red.izd-va; AKOPOVA, V.M., tekhn. red.

[Water transportation of lumber] Vodnyi transport lesa; spravochnik. Moskva, Goslesbumizdat, 1963. 560 p.  
(MIRA 16:11)

(Lumber--Transportation)

ZHUKOV, G.A.; DRANITSKIY, Yu.S.

Primary plastic surgery in skull defects after removal of eosinophilic granuloma. Vop. neirokhir. 24 no. 2:54-55 Mr-Sp '60. (MIRA 14:1)  
(SKULL) (EOSINOPHILIC GRANULOMA)

ZHUKOV, G.

International cooperation for the rescue of astronauts. Av. i kosm.  
no. 10:41-44. C 1964. (MIRA 17:10)

1. Uchenyy sekretar' komissii po pravovym voprosam mezhpianetnogo  
prostranstva AN SSSR.

SEDEL'NIKOV, G.N., polkovnik meditsinskoy sluzhby; ZHUKOV, G.A., polkovnik  
meditsinskoy sluzhby

Experience in efficiency promotion. Voen.-med.zhur. no.10:81-82

0 '59.

(MIRA 13:3)

(MILITARY MEDICINE)

FAKEYEV, A.D.; ZHUKOV, G.A., red.; GORYUNOVA, L.K., red. izd-va.; KOLESHNIKOVA,  
A.P., tekhn. red.

[Safety manual for work with cranes on KT-12 tractors] Pamiatka po  
tekhnike bezopasnosti pri rabote kranami na traktorakh KT-12. Moskva,  
Goslesbumizdat, 1956. 11 p. (MIRA 11:11)

1. Russia (1923- U.S.S.R.) Ministerstvo lesnoy promyshlennosti.  
TSentral'noye byuro tekhnicheskoy informatsii,  
(Tractors--Safety measures)  
(Cranes, derricks, etc.)

CA

25

Dyes for sheep fur. N. V. Sergeev and G. A. Zhukov.  
*Lagoda Prom*, 11, No. 7, 29-31(1951).--Results are given  
of tests with direct, acid, and mordant dyes. The vat  
method is recommended for direct dyes. More complete  
dyeing of hide fibers was obtained in an alk. medium. In  
the case of some acid-resistant direct dyes, the use of acid  
in the final stages of dyeing is permissible. Acid dyes are  
more suitable for brushing. With the exception of Acid  
Chrome Brown ZK, mordant dyes were unsatisfactory.  
B. Z. Kamich

ZHUKOV, G.A., inzhener; ALATYRTSEVA, I.N., inzhener.

Introducing a new dye for coat sheepskin, Leg.prom. 14 no.11:21-25  
N 154. (MLRA 7:12)

(Dyes and dyeing--Leather)



*ZHUKOV, G.A.*  
ZHUKOV, G.A., inzhener; ~~ALATYRTSEVA~~, I.N., inzhener

New assortment of leather dyes. Leg.prom.15 no.8:16-18 Ag '55.  
(MIRA 8:10)

(Dyes and dyeing--Leather)

ZHUKOV, G. inzhener.

The production of suede, kid and velours. Leg. prom. 16 no.1:  
52 Ja '56. (MLRA 9:6)  
(Leather industry) (Boiarinov, A.K.) (Koblyakov, V.S.)

KROL', E.G., inzh.; KHOKHLOVA, A.N., inzh.; BEGLYAROV, S.A., inzh.,  
rukovoditel' raboty; IGNATYUK, G.L., glavnyy red.; KAGAN, G.S.,  
zamestitel' glavnogo red.; GANKIN, M.Z., red.; DEVILLERS, B.P.,  
red.; ZHEREBTSOV, V.V., red.; ZHUKOV, G.A., red.; KREMER, Ye.S.,  
red.; OFFENGENDEN, S.R., red.; PAVLOV, Ye.L., red.; PETROVSKAYA,  
I.V., red.; FAYNTSIMMER, V.M., red.; FROG, N.P., red.;  
CHERNIKEVICH, L.A., red.; SHAPAYEV, A.M., red.

[Special operating conditions of irrigation pumping stations.]  
Spetsial'nye rezhimy orositel'nykh nasosnykh stantsii. Moskva,  
Giprovodkhoz, 1964. 136 p. (Moscow. Vsesoyuznyi proektno-  
izyskatel'skii i nauchno-issledovatel'skii institut Giprovod-  
khoz. Trudy, no.27). (MIRA 19:1)

1. Nachal'nik otдела nasosnykh stantsiy Vsesoyuznogo gosudarst-  
vennogo proyektно-izyskatel'skogo i nauchno-issledovatel'skogo  
instituta vodokhozyaystvennogo stroitel'stva (for Beglyarov).

L 15963-66

ACC NR:

AP6004174

(N)

SOURCE CODE: UR/0096/66/000/002/0079/0083

AUTHOR: Zhukov, V.S. (Engineer, Dissertant); Kozlov, B.K. (Candidate of technical sciences) 47

ORG: Energetics Institute im. G. M. Krzhizhanovskiy (Energeticheskii institut) 15

TITLE: The efficiency of using gas turbine installations with free piston gas generators in heat and electric power plants

SOURCE: Teploenergetika, no. 2, 1966, 79-83

TOPIC TAGS: turbine design, gas turbine engine, electric power production, thermodynamic theory

ABSTRACT: The article is devoted to a consideration of the economic factors involved in heat and power plants, with and without free piston generators. It presents a series of charts illustrating such factors as capital and operating expenditures and the cost of power production as functions of the power of power plants. The construction and thermodynamic characteristics of a gas turbine installation with free piston gas generators assures a rapid and significant power supply, not accompanied by unfavorable factors characteristic of plants

UDC: 621.438.004.15

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ACC NR:

AP6004174

without these generators, such as pressure drop in boilers and ahead of the turbine. Depending on the power of the installation, it requires from 5 to 25 minutes to reach a full load from the cold state. Orig. art. has: 10 formulas, 7 figures, and 2 tables.

SUB CODE: 13/ SUBM DATE: 00/ ORIG REF: 000/ SOV REF: 000/ OTH REF: 000

bvk

Card 2/2

ZHUKOV, V.V.; STEPIN, L.D.

Dielectric properties of aquatic solutions of amino acids and  
albumin of the human blood plasma in decimetric wave range.  
Biofizika 10 no.6:979-985 '65. (MIRA 19:1)

1. Khar'kovskiy gosudarstvennyy universitet imeni A.M.Gor'kogo.  
Submitted January 3, 1964.

ZHUKOV, Ye.K.; VASIL'YEVA, V.V.; NIKOLAYEVA, Ye. N.; FEDOROV, V.V.

Evolution of functional properties of the skeletal muscles in mammals. Zhur. evol. biokhim. i fiziol. 1 no. 6:491-499 N-D '65.  
(MIRA 19:1)

1. Laboratoriya evolyutsii dvigatel'noy deyatel'nosti Instituta evolyutsionnoy fiziologii i biokhimii imeni I.M. Sechenova AN SSSR, Leningrad. Submitted June 28, 1965.

VOLODARSKAYA, Sh.G.; CHERNOV, S.F.; ZHUKOV, Ye.M.

Stressed state of a massif during the detonation of charges  
of oval cross section. Fiz.-tekh. probl. razrab. pol. iskop.  
no.5:53-58 '65. (MIRA 19:1)

1. Sibirskiy metallurgicheskiy institut, Novokuznetsk.



DEBORIN, G.A.; BARANOVA, V.Z.; ZHUKOVA, I.G.

Study of surface films of the lipoprotein complex from  
Micrococcus lysodeicticus. Dokl. AN SSSR 166 no.1:231-234 Ja  
'66. (MIRA 19:1)

1. Institut biokhimii im. A.N.Bakha AN SSSR. Submitted  
February 17, 1965.

ZHUKOVA, L.I.

Field tests of some repellents against blood-sucking insects  
and the tick *Ixodes persulcatus*. Med. paraz. i paraz. bol.  
34 no. 5:540-543 S-O '65 (MIRA 19:1)

1. Entomologicheskii otdel Instituta meditsinskoy parazitologii i tropicheskoy meditsiny imeni Martsinovskogo Ministerstva zdravookhraneniya SSSR, Moskva. Submitted April 18, 1964.

ZHUKOVA, S.V., aspirant

Effect of the stimulation of the upper cervical sympathetic  
ganglia on nerve cells of the nucleus supraopticus hypothalamicus.  
Trudy Khar. med. inst. no.50:173-180 '62.

(MIRA 19:1)

1. Kafedra gistologii (zav. - prof. B.V.Aleshin) Khar'kovskogo  
meditsinskogo instituta.

L 17613-66 EWT(m)/EWP(e)/ETC(f)/EWI(m)/EWP(t) IJP(s) RIX/JD/WH  
ACC NR: AP6003366 SOURCE CODE: UR/0363/66/002/001/0077/0081

AUTHOR: Golubkov, A. V.; Zhukova, T. B.; Sergeyeva, V. H. 36

ORG: Institute of Semiconductors, AN SSSR (Institut poluprovodnikov AN SSSR) R

TITLE: Synthesis of the rare earth element chalcogenides 16 34

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 2, no. 1, 1966, 77-81

TOPIC TAGS: rare earth metal, selenide, sulfide, telluride, inorganic synthesis, rare earth chalcogenide, single crystal growth, semiconducting material

ABSTRACT: An improved method of direct synthesis has been developed for higher purity poly- and single crystalline rare earth metal monochalcogenides, MX, and sesquichalcogenides, M<sub>2</sub>X<sub>3</sub>, where M = La, Pr, Nd, Ce and X = S, Se, Te. The nonstoichiometric and low purity compounds were obtained by the earlier used methods, mainly because of oxidation or contamination with the impurities from the container. A two-step process developed by the authors excluded these two causes of contamination. The first step of the process consisted in reacting the rare earth metal shavings with chalcogen vapors at below 600C in

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UDC: 546.65\*221\*23\*24+542.41

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ACC NR: AP6003366

evacuated and hydrogen filled ampuls of thermally stable glass. In the second step, the reaction product was either annealed by resistance heating at 1600—1800C in high vacuum to prepare macrocrystalline MX, or annealed and melted by induction heating at 1500—2000C also in high vacuum to grow by sublimation well developed MX single crystals, e.g., LaS. Water cooling of the container (quartz ampul) was required in this latter variant to prevent oxidation of MX. Preparation of polycrystalline  $M_2X_3$  ingots also required high temperature annealing and melting in an induction furnace, but in argon atmosphere and without cooling of the ampul. Lattice constants  $a$  of the polycrystalline MX were in good agreement with literature data. In the case of LaS, PrSe, and PrTe single crystals the  $a$  values were determined with greater accuracy and were in good agreement with the  $a$  values of polycrystalline compounds. Electric conductivity data at 300K for MX were much higher than literature data because of the higher purity of the products. Electric resistivity of  $M_2X_3$  in the  $10^4$ — $10^5$  ohm·cm range indicated a nearly stoichiometric composition. Orig. art. has: 2 figures and 1 table. [JK]

SUB CODE: 07/ SUBM DATE: 25Jun65/ ORIG REF: 004/ OTH REF: 013  
ATD PRESS: 470

Card 2/2

OSECHENSKAYA, G.V.; ZHUKOVA, Ye.A.; KOVALEVA, L.G.; REUTCVA, M.B.

Clinical diagnosis of chloroma. Probl. gemat. i perel. krovi  
no.6:17-20 '65. (MIRA 18:11)

1. Gematologicheskaya klinika (zav. - prof. M.S.Dul'tsin)  
TSentral'nogo ordena Lenina instituta gematologii i  
perelivaniya krovi (dir. - dotsent A.Ye.Kiselev) Ministerstva  
zdravookhraneniya SSSR, Moskva.

ZHUKOVSKIY, P., akademik; VERDEREVSKIY, D., prof.

Let's give more attention to plant immunity. Zashch. rast. ot  
vred. i bol. 10 no.10:1-2 '65. (MIRA 18:12)

1. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk  
im. Lenina (for Zhukovskiy).

ZHUKOVSKIY, P.M.

Genetic foundations of the origin of physiological races of a fungal parasite and the search for a resistant genotype of a plant host. Genetika no. 6:137-148 D '65 (MIRA 19:1)

1. Leningradskiy gosudarstvennyy universitet, kafedra vysshikh rasteniy.



ZHUKOVSKIY, V.D.; MEN'SHIKOV, V.V.; SACHKOV, V.I.; USVATOVA, I.Ya.

Changes in the function of adrenal cortex during electro-  
narcosis. Eksper. khir. i anest. no.1:77-80 '65.

(MIRA 18:11)

1. Fakul'tetskaya khirurgicheskaya klinika (zav. - prof. N.N. Yelanskiy [deceased]) gormonal'naya laboratoriya (zav. - kand. med. nauk V.V. Men'shikov) i kafedra fiziki (zav. - prof. N.M. Livantsev) I Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.

ZHUKOVSKIY, V.I.

Instability and conditional stability in the critical case of  
n zero roots. Dif. urav. 1 no. 12:1601-1605 D '65.

(MIRA 18:12)

1. Vsesoyuznyy zaochnyy institut tekstil'noy i legkoy pro-  
myshlennosti. Submitted April 22, 1965.

ZHUKOVSKIY, Yu.G.

Effect of tartaric acid on the hydrolytic and transferase  
activity of acid phosphatase of the prostate gland. Biokhimiya  
30 no. 3:482-486 My-Je '65 (MIRA 19:1)

1. Sanitarno-gigiyenicheskiy meditsinskiy institut, Leningrad.

ZHUKOV, G.B., inzh.

Use of vinyl plastic pipes for supplying gas to residential buildings. Ispol' gaza v nar. khoz. no.2:41-46 '63.

(MIRA 18:9)

1. Laboratoriya nemetallicheskih materialov Saratovskogo gosudarstvennogo nauchno-issledovatel'skogo i proyektnogo instituta po ispol'zovaniyu gaza v narodnom khozyaystve.

KUGUSHEV, I.D.; BIRYUKOV, V.I.; ZHUKOV, G.G.

Design of the suction system of couch rolls. Bumagodel.mash.  
no.7:103-108 '59. (MIRA 13:5)  
(Papermaking machinery)

KUGUSHEV, I.D.; ZHUKOV, G.G.

Shape of cylinder grates of a round wire papermaking machine.  
Bum. prom. 34 no.11:16-17 N '59. (MIRA 13:3)

Leningradskiy politekhnicheskii institut.  
(Papermaking machinery)

ZHUKOV, G. I.

DECEASED

Fire Control

see ILC

ZHUKOV, G. I.

USSR/Medicine-Societies, Medical  
Medicine-Influenza Virus

Sep/Oct 48

"Problems of Influenza Infection," G. I. Zhukov,  
2 pp

"Vest Ak Med Nauk SSSR" No 5

First scientific session of the Inst of Virology  
was devoted to the problem of influenza. Sum-  
marizes papers read.

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ZHUKOV, G. I.; KOVARSKIY, M. S.; BARAN, N. A.; BYCHKOV, I. Ya.

Introduction to Chapter Dealing With the Prevention of Communicable Diseases and the General Purpose of Organizing Epidemic-Control Work, pp 775-778 of Sbornik Vazhneyshikh Ofitsial'nykh Materialov po Sanitarnym i Protivo-Epidemicheskim Voprosam (Collection of the Most Important Official Materials on Sanitation and Epidemic-Control Problems), second edition, Medgiz, Moscow, 1949, 1206 pp, 2 Vol.

ZABINDOVSKIY, Pavel Yefimovich, dots.; ZHUKOV, G.I., red.; ZINOV'YEV, I.A., red.;  
SAGHEVA, A.I., tekhn. red.

[Development of Russian medicine in the first half of the 19th century]  
Razvitie russkoi meditsiny v pervoi polovine XIX veka. Moskva, Gos.  
izd-vo med. lit-ry, 1955. 39 p. (Biblioteka vracha-organizatora.  
Lektsii po organizatsii zdoravookhraneniia dlia vrachei. Istoriia  
otechestvennoi meditsiny, lektsiia 4). (MIRA 11:10)  
(MEDICINE)

BOLDYREV, T. Ye., general-mayor meditsinskoy sluzhby, professor, redaktor; ...  
ZHUKOV, G. I., gvardii mayor meditsinskoy sluzhby, redaktor.

[Experience of Soviet medicine in the Great Patriotic War of 1941-1945] Opyt sovetskoi meditsiny v velikoi otechestvennoi voine 1941-1945 gg. Moskva, Medgiz. Vol. 32. 1955. 162, 216, 97 p.

(MIRA 9:3)

1. Chlen-korrespondent Akademii meditsinskikh nauk SSSR (for Boldyrev)

(WORLD WAR, 1939-1945--MEDICAL AND SANITARY AFFAIRS)

STRAKHOV, Nikolay Petrovich; ZHUKOV, G.I., redaktor; SACHEVA, A.I., tekhnicheskii redaktor

[Inorganic chemistry textbook] Uchebnik neorganicheskoi khimii.  
Moskva, Gos.izd-vo meditsinskoi lit-ry, 1955. 383 p. (MLRA 9:1)  
(Chemistry, Inorganic)

ASTVATSATUROV, Korneliy Romanovich, detzent; KHMELEV, N.S., redakter; VINOGRADOV, M.A., redakter; ZHUKOV, G.I., redakter; STUDNITSIN, A.A., redakter; BEL'CHIKOVA, Yu.S., tekhnicheskiy redakter.

[Organization for the treatment of venereal diseases in villages]  
Organizatsiia venerologicheskoi peneshchi na selo. Moskva, Gos.izd-vo med.lit-ry, 1956. 32 p. (MLRA 9:5)  
(VENEREOLOGY)

OPPENGEYM, David Grigor'yevich, kandidat meditsinskikh nauk; ZHUKOV, G.I.,  
redaktor; SACHEVA, A.I., tekhnicheskiiy redaktor

[Best homes as institutions for preventive treatment] Doma otdykha -  
profilakticheskie uchreshdeniia. Moskva, Gos. izd-vo med. lit-ry,  
1956. 38 p. (Biblioteka vracha-organizatora. Lektsii po organizatsii  
zdravookhraneniia dlia vrachei. Organizatsiia kurortno-sanatornoi  
pomoshchi i domov otdykha, lektsiia 3) (MLRA 9:7)  
(SANATORIUMS)

TRAKHTMAN, Yakov Naumovich; ZHUKOV, G.I., redaktor; CHERNOV, A.I., redaktor;  
BIL'CHIKOVA, Yu.S., tekhnicheskii redaktor.

[Organization and methods of teaching public health in the U.S.S.R.]  
Organizatsiia i metodika sanitarnogo prosveshcheniia v SSSR. Moskva,  
Gos.izd-vo meditsinskoi lit-ry, 1956. 55 p. (MLRA 9:4)  
(Public health)

GANDEL'SMAN, Berta Israilevna, dotsent; RYZHOV, Anatolii Alekseyevich;  
ZHUKOV, G.I., redaktor; BEL'CHIKOVA, YU.S., tekhnicheskiy redaktor

[Organization of disinfection in the U.S.S.R.] Organizatsiia desin-  
feksionnogo dela v SSSR. Moskva, Gos. izd-vo med. lit-ry, 1956 94 p.  
(Biblioteka vracha-organizatora. Lektsii po organizatsii zdavookhra-  
neniia dlia vrachei. Organizatsiia sanitarno-epidemiologicheskogo dela  
v SSSR, lektsiia 5) (MLRA 9:7)

(DISINFECTION AND DISINFECTANTS)



ZHUKOV, G.I.  
ROSSIYSKIY, Dmitriy Mikhaylovich, professor, zasluzhennyy deyatel' nauki,  
doktor meditsinskikh nauk' [deceased]; PETROV, B.D., redaktor;  
ZHUKOV, G.I., redaktor; SENCHILO, K.K., tekhnicheskij redaktor

[History of general and Russian medicine and public health; a  
bibliography (1996-1954)] Istorija vseobshchey i otechestvennoy  
meditsiny i zdavookhraneniya; bibliografiya (1996-1954 gg.) Pod.  
red. B.D.Petrova. Moskva, Gos.izd-vo med. lit-ry, 1956. 935 p.  
(MIRA 10:2)

1. Zaveduyushchiy otdelom istorii meditsiny Instituta organizatsii  
zdavookhraneniya i istorii meditsiny imeni N.A.Semashko AMN SSSR  
(for Petrov)

(BIBLIOGRAPHY--MEDICINE--HISTORY)

AZRILEVICH, Moisey Yakovlevich, inzh.; KRASNYUK, G.M., inzh.,  
retsenzent; ZHUKOV, G.I., inzh., retsenzent; KALMENS,  
R.I., red.

[Equipment of sugar-beet plants] Oborudovanie sveklo-  
sakharnykh zavodov. Moskva, Pishchevaia promyshl.,  
1964. 282 p. (MIRA 17:12)

1. Gosudarstvennyy Komitet po mashinostroyeniyu pri  
Gosplane SSSR (for Krasnyuk). 2. Krasnodarskiy tekhnikum  
sakharnoy promyshlennosti (for Zhukov).

SUKIASYANTS, Grigoriy Nikitovich; LEVINA, Valentina Ivanovna;  
ZHUKOV, G.I., red.; YEVDOKIMOVA, Z.N., tekhn.red.

[Drugs manufactured by industrial enterprises of the  
U.S.S.R. for public health] Meditsinskie preparaty vy-  
puskaemye promyshlennymi predpriatiiami SSSR dlia zdрави-  
okhraneniia. Moskva, Medgiz, 1956. 138 p. (MIRA 17:1)

1. Moscow. Vsesoyuznaya promyshlennaya vystavka.

LUKIN, Yefim Iudovich, prof.; ~~ZHUKOV~~, G.I., red.; PETROVSKAYA, L.P.,  
red.izd-va; GOROKHOVA, S.S., tekhn.red.

[Zoology] Zoologiya. Moskva, Gos.izd-vo "Vysshaya shkola,"  
1961. 376 p. (MIRA 14:4)  
(Zoology)

ZHUKOV, Georgiy Innokent'yevich; GOLUBEV, S.G., red.; OTOCHEVA, M.A.,  
red.izd-va; LELYUKHIN, A.A., tekhn.red.

[Fire extinction in homes] Kak potushit' pozhar v zhilom dome.  
Izd.3. Moskva, Izd-vo M-va kommun.khoz. RSFSR, 1960. 53 p.  
(Fire extinction) (MIRA 13:9)

ZHUKOV, G. K.

ZHUKOV, G. K. --"Effecton of Mating Swine of the Large White Breed of Various Breeder Types." All-Union Sci. Res. Inst. of Animal Raising Swine Raising Section, Moscow, 1955. (Dissertation for the Degree of Candidate in Agricultural Science)

SO: Knizhnaya Letopis', No. 35, 1955

ZHUKOV, G.M.,

A. P. CHERNIKINA, USSR 66,100 ; April 30, 1946.

ZHUKOV, G.N. [Zhukov, H.M.]

Nitrogen nutrition of microbes from the dysentery group. Mikro-  
biol.zhur. 24 no.2:7-13 '62. (MIRA 15:12)

1. Kiyevskiy institut usovershenstvovaniya vrachey, kafedra  
mikrobiologii.

(SHIGELLA)

(NITROGEN—METABOLISM)



ZHUKOV, G. P.

"Introduction to the Theory of a Photogrammetric Model of Terrain." Sub 14 Dec 51, Moscow Inst of Engineers of Geodesy, Aerial Photography and Cartography

Dissertations presented for science and engineering degrees in Moscow during 1951.

SO: Sum. No. 480, 9 May 55

ZHUKOV, G. P.

"Stereoprojector SPR-2," by G. P. Zhukov, Geodeziya i Kartografiya, No 1, 1956, pp 49-55

The theory and design of the new mechanical-type universal stereophotogrammetric instrument devised by G. P. Romanovskiy are described. The equipment is intended for the compilation of topographical maps from aerial photographs 18 x 18 cm in size. During processing the aerial pictures are aligned in a horizontal plane, while the effect of the inclination angles is compensated for by an automatic shift of the picture in its plane under the effect of the correcting mechanism. Such equipment design makes it possible to process all pictures taken by cameras of any focal length as a result of the transformation of the projected ray beams. Better working conditions and observations allow a productivity rise of 15% over that obtained with a stereoplanigraph. The accuracy of the measuring instrument is determined by the mean square error of the altitude of the model, constructed along a measuring network and consisting of 1:8,000 of the altitude of flight.

Sum 1239

ZHUKOV, G.P.

Transactions of the Laboratory ~~(cont.)~~ of Aeromethods, AS USSR <sup>gov/3815</sup>  
 V.7, Materials of 7th AU Interdept Conf. Aerial Survey (Dec 56), Moscow, 1959, 331pp.  
 Arzhanov, Ye.P. [Moscow Institute of Geodetic, Photogrammetric,  
 and Cartographic Engineering].

New Methods of Flattening the Aerial Films

102

Romanovskiy, G.V. [Nauchno-issledovatel'skiy institut voyenno-  
 topograficheskoy sluzhby, SA - Scientific-Research Institute of  
 the Military Topography Service, SA].

The Present State and Future Prospects of Aerial Topographic  
 Surveying in the USSR

107

Rusinov, M.M. [Leningradskiy institut tochnoy mekhaniki i optiki -  
 Leningrad Institute of Precision Mechanics and Optics].

New Wide-Angle Lenses for Aerial Photography and Future  
 Prospects of Development

114

Zhukov, G.P. [Scientific-Research Institute of the Military  
 Topography Service, SA].

Photogrammetric Apparatus

121

Card 5/15

ZHUKOV, G.P.

Photogrammetric instruments. Trudy Lab.aeromet. 7:121-126  
'59. (MIRA 13:1)

1. Nauchno-issledovatel'skiy institut voyenno-topograficheskoy  
sluzhby Sovetskoy armii.  
(Aerial photogrammetry--Equipment and supplies)

ZHUKOV, G.P.

Theory of mutual orientation of aerial photographs. Geod. i  
kart. no.2:3-6 '64. (MIRA 17:3)

24UKOV, GP

ACCESSION NR: AF4034808

S/0293/64/002/002/0342/0346

AUTHOR: Milevidov, I. V.

TITLE: Paris Congress of the International Astronautics Federation

SOURCE: Kosmicheskiye issledovaniya, v. 2, no. 2, 1964, 342-346

TOPIC TAGS: astronautics, international conference, astrodynamics, celestial mechanics, artificial earth satellite, gravity field, cosmic radiation, space flight, high-energy proton, weightlessness, blood circulation, spaceship, bioastronautics

ABSTRACT: The Fourteenth Congress of the International Astronautics Federation was held in Paris during the period from September 25 to October 2, 1963. The Soviet delegation was headed by Academician L. I. Sedov, Vice-President of the IAF. Other members of the delegation included Yu. A. Gagarin, N. P. Kamanin, G. N. Duboshin, V. V. Antipov and V. A. Sary\*chev. The congress was attended by 700 persons representing more than 40 countries. Yu. A. Gagarin presented one of the reports. Academician L. I. Sedov was elected one of the vice-presidents. The following are the 22 reports presented by Soviet scientists: 1. G. N. Duboshin and D. Ye. Okhotsimskiy -- Certain Problems in Astrodynamics and Celestial

Card 1/3

ACCESSION NR: AP4034808

Mechanics; 2. V. V. Beletskiy and V. A. Sary\*chev -- Problems in the Motion of Artificial Earth Satellites Relative to a Center of Mass; 3. Yu. V. Batrakov - Use of Resonance Satellites for Determination of the Constants of the Earth's Gravitational Field; 4. Ye. P. Aksenov - Motion of an Artificial Satellite in the Earth's Gravitational Field; 5. F. L. Chernous'ko -- Investigation of the Motion of a Satellite Relative to a Center Using Averaging Methods; 6. G. Ye. Kuzmak and V. A. Yaroshevskiy -- Application of Asymptotic Methods to Certain Problems of the Dynamics of Spacecraft During Entry Into the Atmosphere; 7. N. Ya. Bagayeva and N. N. Moiseyev - A New Method of Solution of Problems in the Theory of Optimum Flights; 8. V. N. Lebedev -- Certain Problems in the Theory of Optimum Flights; 9. A. I. Kur'yanov, V. K. Isayev and V. V. Sosnin - Application of the Maximum Principle in Problems of Rocket Dynamics; 10. G. L. Grodzovskiy and A. L. Stasenko -- The Form of Heat-Transfer Elements of Power Apparatus Cooled by Radiation, Part III. Form of a Flexible Filament in a Field of Centrifugal Forces; 11. G. L. Grodzovskiy, Yu. I. Ivanov and V. V. Tokarev -- Motion of a Variable Mass With Constant and Decreasing Expenditures of Power in a Gravitational Field. Part III.; 12. V. V. Antipov, P. P. Saksonov and V. I. Yazdovskiy -- Investigation of the Biological Effect of Cosmic Radiation During Space Flight; 13. Yu M. Voly\*nskin, P. P. Saksonov, V. V. Antipov and I. A. Sevenko -- Problems

Card 2/3

ACCESSION NR: AP4034808

in Radiation Safety During Space Flights; 14. Yu. M. Voly\*ukin, P. P. Saksonov, V. V. Antipov, N. N. Dobrov and M. D. Nikitin -- Ensuring Radiation Safety During the Flights of the Soviet Cosmonauts Yu. A. Gagarin, G. S. Titov, A. G. Nikolayev and P. R. Popovich; 15. P. P. Saksonov, V. V. Antipov, V. S. Shashkov, B. L. Razgovorov, G. F. Murin and V. S. Morozov -- Data on the Biological Effect of High-Energy Protons; 16. R. M. Bayevskiy and O. G. Gizenko -- Certain Problems in the Physiology of Blood Circulation During Weightlessness; 17. V. I. Krasovskiy -- Corpuscles in the Upper Atmosphere; 18. K. I. Gringauz, B. N. Gorozhankin, N. M. Shyutse and G. L. Gdalevich -- Certain Experiments Aboard the Satellite "Kosmos-2"; 19. Ye. A. Korovin -- Factors Hindering the Development of Space Law; 20. G. P. Zhukov -- Freedom of Space and Its Limits; 21. P. I. Lukin -- An International Law Form of Regulation of Space; 22. E. G. Vasilovskaya -- Assistance and Rescue of Crews of Spaceships Which Have Experienced Damage. The article also lists the titles of 61 reports presented by non-Soviet specialists.

ASSOCIATION: None

SUBMITTED: 00

DATE ACQ: 20May64

ENCL: 00

SUB CODE: SV, PH

NO REF SOV: 000

OTHER: 000

Card 3/3



ACC NR: AM6035816

Monograph

UR/

Zhukov, G. P.; Vasilevskaya, E. G.; Lukin, P. I.

Outer space and the problem of universal peace (Kosmos i problema vseobshchego mira) Moscow, Izd-vo "Nauka", 1966. 193 p. biblio. (At head of title: Akademiya nauk SSSR. Institut gosudarstva i prava) 3200 copies printed.

TOPIC TAGS: space flight, space program, space warfare, space law, disarmament

PURPOSE AND COVERAGE: This book, intended for the general reader, discusses the problems of assuring the use of space for peaceful purposes. It summarizes the UN proceedings relative to this matter and stresses the validity of the Soviet position. The legal problems arising in connection with the use of outer space, including the safety of astronauts, responsibility for damage, and questions of jurisdiction are discussed.

TABLE OF CONTENTS:

Introduction -- 3

Ch. I. Soviet disarmament program. A practical way of banning the use of outer space for military purposes -- 7

Ch. II. Law and order in space - a vital necessity -- 47

Ch. III. International legal problems of assuring the safety of flights in outer space -- 63

Card 1/2

UDC: NONE

ACC NR: AM6035816

Ch. IV. Responsibility for damage sustained as a result of space activity -- 101

Ch. V. Use of artificial Earth satellites to create a world-wide communications system -- 129

Ch. VI. Communication satellites and international relations -- 152

Ch. VII. International legal status of communication satellites -- 174

Ch. VIII. Meteorological satellites and problems of international law -- 185

SUB CODE: 05, 22/

SUBM DATE: 28Apr66/

ORIG REF: 149/

OTH REF: 079

Card 2/2

ACC NR: AR6033987

SOURCE CODE: UR/0271/66/000/008/B035/B035

AUTHOR: Zhukov, G. P. ; Barilko, Sh. I. ; Zabiyaikin, G. I. ; Kim Gen' Chu' ;  
Li Min Ven' ; Tishin, V. G. ; Shibayev, V. D.

TITLE: Magnetic tape analyzer

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika, Abs.  
9B265

REF SOURCE: Tr. 6-y Nauchno-tekhn. konferentsii po yadern. radioelectron.  
T. 3, Ch. 1. M., Atomizdat, 1965, 197-207

TOPIC TAGS: magnetic analyzer, magnetic recording tape, computer memory,  
storage device

ABSTRACT: The block-diagram of a multidimensional magnetic analyzer with  
magnetic tape recording is investigated. Binary codes which characterize the  
investigated event are simultaneously recorded in the recorder on 20 tracks of an  
evenly moving magnetic tape. The recorder contains an intermediate memory  
computer, a recording and readout device, a controlling storage device with an  
oscillographic indicator and a device for selecting information during readout.

Card 1/2

UDC: 681.142:621.374.32

ACC NR: AR6033987

Information is delivered to the input of the intermediate memory in the form of a parallel binary code. The controlling storage device is designed to control the regularity of the analyzer's operation. It possesses a recording cycle of 12  $\mu$ sec over 512 recording channels. In order to realize a time-amplitude analysis with a large number of channels, the recorder has its own amplitude and time coding units. Three illustrations. Bibliography of 3 titles. [Translation of abstract]

SUB CODE: 09/

Card 2/2

ZHUKOV, G.P.; ZABIYAKIN, G.I.; SHIRAYEV, V.D.

Many-track magnetic tape recording for pulse-height analysis.  
Prib. i tekhn. eksp. 8 no.6:66-72 N-D '63. (MIRA 17:6)

1. Ob'yedinennyy institut yadernykh issledovaniy.

ZHUKOV, G.P.; ZHURAVLEV, B.Ye.; ZABIYAKIN, G.I.; ZAMRIY, V.N.

Center for neutron spectrometry. Prib. i tekhn. eksp. 9 no.6:  
34-38 N-D '64. (MIRA 18:3)

1. Ob'yedinennyy institut yadernykh issledovaniy.

ZHUKOV, G. P., ZABIYAKIN, G. I., KARZHAVINA Ye N., PIKELNER, L. B.,  
POPOV, A. B., SHARAPOV, E. I., YAZVITSKIY, Y. S., and VIZI, I.

"Liquid Scintillation Detectors for Registering Neutrons."

Joint Institute for Nuclear Research, Dubna, USSR.

report submitted for the IAEA conf. on Nuclear Electronics, Belgrade, Yugoslavia  
15-20 May 1961

ACCESSION NR: AR4022435

S/0058/64/000/001/A028/A029

SOURCE: RZh. Fizika, Abs. 1A269

AUTHORS: Zhukov, G. P.; Zabiyakin, G. I.; Radionov, K. G.; Shibayev, V. D.; Shtranikh, I. V.

TITLE: Multidimensional registration system

CITED SOURCE: Tr. 5-y Nauchno-tekhn. konferentsii po yadern. radioelektronike. T. 2. Ch. 2. M., Gosatomizdat, 1963, 115-122

TOPIC TAGS: multidimensional registration system, intermediate memory storage, ferrite core memory, magnetic tape memory, pulse height spectrum, visual estimate of spectrum, data readout to computer

TRANSLATION: A multidimensional registration system is considered, in which the pulses that carry the information are memorized in the

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ACCESSION NR: AR4022435

intermediate memory as they are received. After the end of the experiment, the information is processed and sorted out by channels. The sorting unit is a 1024-channel analyzer with ferrite-core memory. The intermediate memory employs a 35-mm magnetic tape, on which 25 tracks are recorded simultaneously. With 25-track recording, the total number of memory channels can reach  $32 \times 10^6$ . The intermediate memory block includes an equalizing unit with five memory elements, which reduces the effective value of the instrument dead time to 80--100 microseconds. The program for reducing the experimental data makes it possible to monitor the preliminary results of the measurements by extraction of eight 128-channel pulse-height spectra. After a visual estimate of the spectra, the information is fed by cable directly to a "Kiev" computer. Yu. Semenov.

DATE ACQ: 03Mar64

SUB CODE: CP, SD

ENCL: 00

Card/2

**ZHUKOVA, G.S., kandidat biologicheskikh nauk.**

Checkrow-hill method of planting and sowing cultivated crops.  
Est.v shkole no.1:21-29 Ja-F '54. (MLRA 6:12)

1. Nauchno-issledovatel'skiy institut kartofel'nogo khozyaystva.  
(Field crops)

ZHUKOV, Gleb Sergeyevich; SOSNOVSKIY, A.A., red.; DASHEVSKAYA,  
I.Ya., ved. red.

[Television test equipment; a survey of the foreign  
literature] Pribory dlia kontrolya televizionnoi apparatury;  
obzor zarubezhnoi tekhniki. Moskva, GOSINTI, 1962. 50 p.  
(Tema 13) (MIRA 17:7)

PA 46/49T41

ZHUKOV, G. V.

USSR/Engineering  
Fuel Conservation  
Shale Oil

Aug 48

"Shale, Local Fuel for Cement Factories of Leningrad Oblast and the Baltic Republics," G. V. Zhukov, Engr, 5 pp

"Za Ekonomiyu Topliva" Vol V, No 8

Concludes that use of grade-3 Estonian shale in cement factories gives a sufficient temperature to fire the material, and is the most efficient fuel for cement factories.

46/49T41

USSR/Engineering  
Power  
Bibliography

Jan 49

"The First Scientific-Technical Conference on the Utilization of Secondary Power Sources," G. V. Zhukov, Engr, 3 pp

"Za Ekonomiyu Topliva" Vol VI, No 1

Conference was held 14 - 18 Dec in Moscow. Of 14 reports submitted, six dealt with results of research work in utilization of secondary power sources, and five with present state and future prospects of utilization in largest USSR

43/49T52

USSR/Engineering (Contd)

Jan 49

industrial enterprises. Engr L. M. Veynahtok, representative of the Min of Heavy-Mach Constr was criticized for a report in which he denounced conditions for which his ministry was responsible.

43/49T52

PA 43/49T52

YEL'KINA, G.M.; TSVETKOVA, Ye.n.; ZHUKOV, G.V.

Tertian malaria with prolonged incubation period in Samarkand. Med.  
paras. i paras. bol. no.4:350-351 O-D '54. (MLRA 8:2)

1. Iz Samarkandskoy gorodskoy protivomalyariynoy stantsii.  
(MALARIA, epidemiology,  
in Russia, tertian malaria with prolonged incubation  
period)

ZHUKOV, G. V.

Paratyphus in Suckling Pigs, Sverdlovsk, 1950, 12 pages, 15 kopeks, Copies --  
4,000.

SO: , Report, U-4724, Sept. 30, 1953, (Veterinaryiya,  
No. 4, Apr. 1951, pp. 60-61, Moscow.)

ZHUKOV, G. V.

Strangles in Horses, Sverdlovsk, 1950, 15 pages, 15 kopeks, Copies -- 4,000.

SO: Report, U-4724, Sept. 30, 1953, (Veterinaryiya,  
No. 4, Apr. 1951, pp. 60-61, Moscow.)



ZHUKOV, G. V.

Erysipelas in Pigs, Sverdlovsk, 1950, 16 pages. 15 kopeks, Copies -- 4,000.

SO: Report, U-4724, Sept. 30, 1953, (Veterinaryiya,

No. 4, Apr. 1951, pp. 60-61, Moscow.)

ZHUKOV, G. V.

Brucellosis in Farm Animals, Sverdlovsk, 1950, 20 pages, 20 kopeks, Copies--5,000.

SO: , Report, U-4724, Sept. 30, 1953, .. (Veterinaryia,

No. 4, Apr. 1951, pp. 60-61, Moscow.)

ZHUKOV, G. V.

"Tuberculosis of Agricultural Animals and the fight against it".

Sverdlovsk. 1952. 24 pages.

SO: Vet., July, 1952, Unclassified.

VOROPAY, P.I.; ZHUKOV, G.V.; KAS'YANOV, V.M.

Cooling of air piston compressors by injecting water at the  
inlet. Mash. i nef. obor. no.6:11-18 '63. (MIRA 17:8)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti  
im. I.M. Gubkina.

KARAPET'YANTS, M.Kh.; ZHUKOV, G.V.

Application of the methods of comparative calculation for  
estimating the properties of substances in corresponding  
states. Part 1. Zhur. fiz. khim. 38 no.4:1015-1018 Ap '64.  
(MIRA 17:6)

1. Moskovskiy khimiko-tekhnologicheskii institut imeni D.I.  
Mendeleyeva.

L 5453-66 EWT(1)/EWT(m)/EPF(c)/EPA(u)-2/EWP(t)/EWP(b)/EWA(m)-2 IJF(c)  
 ACCESSION NR: AP5019758 JD/AT UR/0051/65/019/002/0247/0251  
 535.373.1

AUTHOR: Bundel', A. A.; Zhukov, G. V.

TITLE: Effect of oxygen in the spectrum of electron traps in luminescent zinc sulfide

SOURCE: Optika i spektroskopiya, v. 19, no. 2, 1965, 247-251

TOPIC TAGS: zinc compound optic material, luminescence, thermoluminescence, luminor, electron trap, optic activity, oxygen

ABSTRACT: Following earlier work by one of the authors (Bundel' et al., Izv. AN SSSR ser. fiz. v. 23, 1326, 1959) in which it was shown that zinc sulfide is more sensitive to molecular oxygen than to the ionic form, the authors undertook a study of the electron traps by means of thermoluminescence curves, for the purpose of determining the effect of ionic and molecular oxide on zinc sulfide luminors that contain no other intentionally added activators. The ZnS-O luminors were formed by exposing ZnS crystals to molecular oxygen at low pressure, using a technique developed in the authors' laboratory. The luminescence measurement method was described by the authors previously (Opt. i spektr. v. 18, 479, 1965). The results show that activation with oxygen, besides causing the appearance of a characteristic band in the luminescence spectrum, also leads to the appearance of a new peak

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ACCESSION NR: AP5019758

in the thermoluminescence spectrum. The emission peak of the self-activated material is blue, and that of the oxygen-activated material green. No redistribution of electrons between traps associated with zinc and oxygen is observed. The thermal-emission brightness at the oxygen and zinc peaks are proportional to the brightness of the corresponding bands in the luminescence spectra (for the same excitation conditions). The luminescence spectra and thermoluminescence curves of ZnS-ZnO solid solutions are the same as those of pure ZnS; adding ZnO as a separate phase does not affect the former much, but causes a substantial change in the latter. Orig. art. has: 6 figures and 1 formula.

ASSOCIATION: none

SUBMITTED: 11 May 64

ENCL: 00

SUB CODE: OP, 55

NR REF SOV: 013

OTHER: 009

Card 2/2 *hd*

L 20513-66

ACC NR: AP6012065

SOURCE CODE: UR/0094/65/000/004/0049/0050

AUTHOR: Zhukov, G. V.

ORG: none

TITLE: All-union scientific-technical conference on 'ways for saving heat and fuel in industry'

SOURCE: Promyshlennaya energetika, no. 4, 1965, 49-50

TOPIC TAGS: electric power engineering, heat, fuel, economics, scientific conference

ABSTRACT: The All-Union Scientific-Technical Conference "Ways for Saving Heat and Fuel in Industry," sponsored by the All-Union Council of the Scientific-Technical Societies, the State Committee for the Coordination of Scientific-Research Works of the USSR, the State Committee for Thermal Industries at the State Planning Commission of the USSR, the Central Board of the Scientific-Technical Department (STD) of the Machine-Building Industries, the Central Board of the STD of the Power Industries, and the Moscow Board of the STD of the Power Industries was held in Moscow from 1 to 3 December 1964. The Conference was attended by 305 delegates; the 33 contributed papers covered various topics of power engineering and economical and rational utilization of heat and fuel within the Soviet economy. The article contains brief summaries of all these papers. The Conference approved the creation of the Administration for the Economical Use of Electrical and Thermal Energy. [JPRS]

SUB CODE: 10, 05 / SUBM DATE: none

Card 1/1 200



VOROPAY, P.I.; ZHUKOV, G.V.; KAS'YANOV, V.M.

Investigating the efficiency of cooling in feeding water to an air flow compressed by a rotor-gear pump. Mash. i neft. obor. no.10: 21-28 '63. (MIRA 17:4)

1. Moskovskiy institut neftakhimicheskoy i gazovoy promyshlennosti im. I.M.Gubkina.

VOROPAY, P.I.; ZHIJKOV, G.V.; KAS'YANOV, V.M.; SHARPILO, I.G.

Air cooling in piston compressors by feeding water to an air flow.  
Mash. i nef. obor. no.7:30-33 '63. (MIRA 17:1)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im.  
akademika Gubkina i Upravleniye "Krasnodarneft".

ZHUKOV, G.V.

Volcanic sedimentary formations of the Lower Proterozoic of the  
Ukraine and regularities in the distribution of minerals in them.  
Zakonom. razm. polezn. iskop. 5:110-129 '62. (MIRA 15:12)

1. Institut geologicheskikh nauk AN Ukrainskoy SSR.  
(Ukraine—Geology, Stratigraphic) (Ore deposits)

AMBARTSUMOV, A.A.; ZHUKOV, G.V.; GRIGOR'YEV, B.F.; SMIRNOV, Ye.I.,  
red.; PONOMAREVA, A.A., tekhn. red.

[Standardizing the consumption of materials] Normirovanie  
raskhoda materialov. Pod red. Ambartsumova. Izd.2., dop.  
Moskva, Ekonomizdat, 1963. 109 p. (MIRA 16:6)  
(Materials management)